

FILE 'HOME' ENTERED AT 13:49:49 ON 16 FEB 2006

=> Index chemistry Dissabs

FILE 'ENCOMPLIT2' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.84	0.84

FULL ESTIMATED COST

INDEX 'AGRICOLA, ALUMINIUM, ANABSTR, APOLLIT, AQUALINE, AQUIRE, BABS, BIOTECHNO, CABA, CAOLD, CAPLUS, CBNB, CEABA-VTB, CERAB, CIN, COMPENDEX, CONFSCI, COPPERLIT, CORROSION, DISSABS, ENCOMPLIT, FEDRIP, GENBANK, INSPEC, INSPHYS, INVESTEXT, IPA, JICST-EPLUS, ...' ENTERED AT 13:52:06 ON 16 FEB 2006

45 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.

=>

=> S Jackson Tracey S/IN and ((?myoglobulin or ?hemoglobin or ?heme (A) oxygenase or ?catalase or ?ferrin) (S) ((rhodium or ruthenium or palladium) (P) (complex? or coordinat? or bind? or bound)))

0* FILE AGRICOLA

0* FILE ALUMINIUM

=>

=> S Jackson Tracey S/IN and ((?myoglobulin or ?hemoglobin or ?heme (A) oxygenase or ?catalase or ?ferrin) (P) ((rhodium or ruthenium or palladium) (S) (complex? or coordinat? or bind? or bound)))

0* FILE AGRICOLA

0* FILE ALUMINIUM

0* FILE ANABSTR

0* FILE APOLLIT

0* FILE AQUALINE

0* FILE AQUIRE

0* FILE BABS

0* FILE BIOTECHNO

8 FILES SEARCHED...

0* FILE CAOLD

0* FILE CBNB

0* FILE CEABA-VTB

0* FILE CIN

0* FILE COMPENDEX

16 FILES SEARCHED...

0* FILE CONFSCI

0* FILE COPPERLIT

0* FILE CORROSION

0* FILE DISSABS

0* FILE ENCOMPLIT

0* FILE FEDRIP

0* FILE GENBANK

0* FILE INSPEC

24 FILES SEARCHED...

0* FILE INSPHYS

0* FILE INVESTEXT

0* FILE IPA

0* FILE JICST-EPLUS

0* FILE KOSMET

0* FILE METADEX

0* FILE NAPRALERT

0* FILE NIOSHTIC

0* FILE NTIS

0* FILE PAPERCHEM2

0* FILE PASCAL

35 FILES SEARCHED...

0* FILE PROMT

0* FILE RAPRA

0* FILE RDISCLOSURE

0* FILE SCISEARCH

0* FILE TULSA
0* FILE TULSA2
0* FILE USAN
0* FILE WATER
0* FILE WELDASEARCH
0* FILE WSCA

0 FILES HAVE ONE OR MORE ANSWERS, 45 FILES SEARCHED IN STNINDEX

L1 QUE JACKSON TRACEY S/IN AND ((?MYOGLOBULIN OR ?HEMOGLOBIN OR ?HEME (A) OXY
GENASE OR ?CATALASE OR ?FERRIN) (P) ((RHODIUM OR RUTHENIUM OR PALLADIU
M) (S) (COMPLEX? OR COORDINAT? OR BIND? OR BOUND)))

=> s ((?myoglobulin or ?hemoglobin or ?heme (A) oxygenase or ?catalase or ?ferrin) (P)
((rhodium or ruthenium or palladium) (S) (complex? or coordinat? or bind? or bound)))

0* FILE AGRICOLA
0* FILE ALUMINIUM
1 FILE ANABSTR
0* FILE APOLLIT
0* FILE AQUALINE
0* FILE AQUIRE
5* FILE BABS
8* FILE BIOTECHNO
2 FILE CABA
0* FILE CAOLD
78 FILE CAPLUS
0* FILE CBNB
0* FILE CEABA-VTB
0* FILE CIN

15 FILES SEARCHED...

3* FILE COMPENDEX
0* FILE CONFSCI
0* FILE COPPERLIT
0* FILE CORROSION
8 FILE DISSABS
0* FILE ENCOMPLIT
1* FILE FEDRIP
4* FILE INSPEC
0* FILE INSPHYS

25 FILES SEARCHED...

0* FILE INVESTEXT
1* FILE IPA
3* FILE JICST-EPLUS
0* FILE KOSMET
0* FILE METADEX
0* FILE NIOSHTIC
3* FILE NTIS
0* FILE PAPERCHEM2
8* FILE PASCAL

35 FILES SEARCHED...

3* FILE PROMT
0* FILE RAPRA
6 FILE RDISCLOSURE
20 FILE SCISEARCH
0* FILE TULSA
0* FILE TULSA2
0* FILE WATER
0* FILE WELDASEARCH
0* FILE WSCA

16 FILES HAVE ONE OR MORE ANSWERS, 45 FILES SEARCHED IN STNINDEX

L2 QUE ((?MYOGLOBULIN OR ?HEMOGLOBIN OR ?HEME (A) OXYGENASE OR ?CATALASE OR ?
FERRIN) (P) ((RHODIUM OR RUTHENIUM OR PALLADIUM) (S) (COMPLEX? OR COOR
DINAT? OR BIND? OR BOUND)))

=> s ((?myoglobulin or ?hemoglobin or ?heme (A) oxygenase or ?catalase or ?ferritin) (P)
((rhodium or ruthenium or palladium) (S) (complex? or coordinat? or bind? or bound)))

0* FILE AGRICOLA

```

0* FILE ALUMINIUM
0* FILE APOLLIT
0* FILE AQUALINE
0* FILE AQUIRE
5* FILE BABS
10* FILE BIOTECHNO
12 FILE CABA
0* FILE CAOLD
55 FILE CAPLUS
0* FILE CBNB
12 FILES SEARCHED...
0* FILE CEABA-VTB
0* FILE CIN
1* FILE COMPENDEX
0* FILE CONFSCI
0* FILE COPPERLIT
0* FILE CORROSION
10 FILE DISSABS
0* FILE ENCOMPLIT
1* FILE FEDRIP
3* FILE INSPEC
24 FILES SEARCHED...
0* FILE INSPHYS
0* FILE INVESTEXT
1* FILE IPA
5* FILE JICST-EPLUS
0* FILE KOSMET
0* FILE METADEX
1* FILE NIOSHTIC
0* FILE NTIS
0* FILE PAPERCHEM2
8* FILE PASCAL
35 FILES SEARCHED...
3* FILE PROMT
0* FILE RAPRA
6 FILE RDISCLOSURE
11 FILE SCISEARCH
0* FILE TULSA
0* FILE TULSA2
0* FILE WATER
0* FILE WELDASEARCH
0* FILE WSCA

```

15 FILES HAVE ONE OR MORE ANSWERS, 45 FILES SEARCHED IN STNINDEX

L3 QUE ((?MYOGLOBULIN OR ?HEMOGLOBIN OR ?HEME (A) OXYGENASE OR ?CATALASE OR ?
FERRITIN) (P) ((RHODIUM OR RUTHENIUM OR PALLADIUM) (S) (COMPLEX? OR CO
ORDINAT? OR BIND? OR BOUND)))

=> D rank

```

F1      55  CAPLUS
F2      12  CABA
F3      11  SCISEARCH
F4      10  DISSABS
F5     10*  BIOTECHNO
F6       8*  PASCAL
F7       6  RDISCLOSURE
F8       5*  BABS
F9       5*  JICST-EPLUS
F10      3*  INSPEC
F11      3*  PROMT
F12      1*  COMPENDEX
F13      1*  FEDRIP
F14      1*  IPA
F15      1*  NIOSHTIC

```

=> FIL F1-4 F7

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

	ENTRY	SESSION
FULL ESTIMATED COST	48.80	49.64

FILE 'CAPLUS' ENTERED AT 14:39:55 ON 16 FEB 2006
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'CABA' ENTERED AT 14:39:55 ON 16 FEB 2006
 COPYRIGHT (C) 2006 CAB INTERNATIONAL (CABI)

FILE 'SCISEARCH' ENTERED AT 14:39:55 ON 16 FEB 2006
 Copyright (c) 2006 The Thomson Corporation

FILE 'DISSABS' ENTERED AT 14:39:55 ON 16 FEB 2006
 COPYRIGHT (C) 2006 ProQuest Information and Learning Company; All Rights Reserved.

FILE 'RDISCLOSURE' ENTERED AT 14:39:55 ON 16 FEB 2006
 COPYRIGHT (C) 2006 Kenneth Mason Publications Ltd.

```
=> S L3
L4      55 FILE CAPLUS
L5      12 FILE CABA
L6      11 FILE SCISEARCH
L7      10 FILE DISSABS
L8       6 FILE RDISCLOSURE
```

TOTAL FOR ALL FILES
 L9 94 L3

```
=> Dup rem L9
DUPLICATE IS NOT AVAILABLE IN 'RDISCLOSURE'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L9
L10     87 DUP REM L9 (7 DUPLICATES REMOVED)
```

=> D L10 1-87 ibib abs

L10 ANSWER 1 OF 87 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2005:185451 CAPLUS
 DOCUMENT NUMBER: 142:276006
 TITLE: Preparation of a metal complex-protein composite for
 the use as a hydrogenation catalyst of an olefin
 INVENTOR(S): Watanabe, Yoshihito; Ueno, Takafumi; Abe, Satoshi
 PATENT ASSIGNEE(S): Nagoya Industrial Science Research Institute, Japan
 SOURCE: U.S. Pat. Appl. Publ., 7 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005049405	A1	20050303	US 2004-790060	20040302
JP 2005075799	A2	20050324	JP 2003-310085	20030902
PRIORITY APPLN. INFO.:			JP 2003-310085	A 20030902

OTHER SOURCE(S): MARPAT 142:276006

AB The metal complex-protein composite of the present invention includes a protein having a cavity and a metal complex and has a specific structure that the metal complex is received in the cavity of the protein. Here the metal complex is prepared by complexation of a metal ion, which is selected among the group consisting of rhodium, ruthenium, and palladium, with a ligand. The metal complex-protein composite of the invention functions as a hydrogenation catalyst of an olefin in water. The metal complex-protein composite is thus effectively applied to hydrogenation of water-soluble substrates and has environmental advantages over organic solvents. Preparation of rhodium complexes-apomyoglobin composites and their use as hydrogenation catalysts of olefins is disclosed.